



Amendments to “BACKGROUND OF THE INVENTION”

(to be inserted after paragraph #0006.)

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Another technique is described in U.S. Pat. No. 7,006,804 (the “Clark” patent). Clark teaches a method of increasing the capacity of a wireless communication’s system by exploiting the spatial nature of the interference pattern, created by a multiple antenna transmitter system. Clark’s patent focuses on situations where the antennas are fixed in

- 10 location and less on the receiver capabilities which must be included when the receiver must compensate for antenna motion and multipath propagation.

U.S. Pat. No. 6,594,473 (the “Dabak” patent) describes a system which uses channel propagation estimation in order to facilitate closed and open loop adaptation of a diversity CDMA system. The method and objective of Dabak adaptation differs from

- 15 those described herein.

U.S. Pat. App. No. 2001/0004585 (the “Tsujimoto” application) and U.S. Patent App. No. 2003/0114108 (the “Frecassetti” application) describe systems which exploit the interference patterns in wireless communications systems by transmitting multiple copies of phased versions of the transmitter signal, and allowing the proper combining of

the signals to occur at the receiver antennas. Similar to the Clark patent, little attention is given to varying propagation channel conditions.

The inventors request the insertion of the above paragraphs.

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Andrew Sendyk, inventor
President, Creative Signal Solutions Inc.

Date

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Ken Scott, inventor
Chief Technology Officer, Creative Signal Solutions Inc.

Date